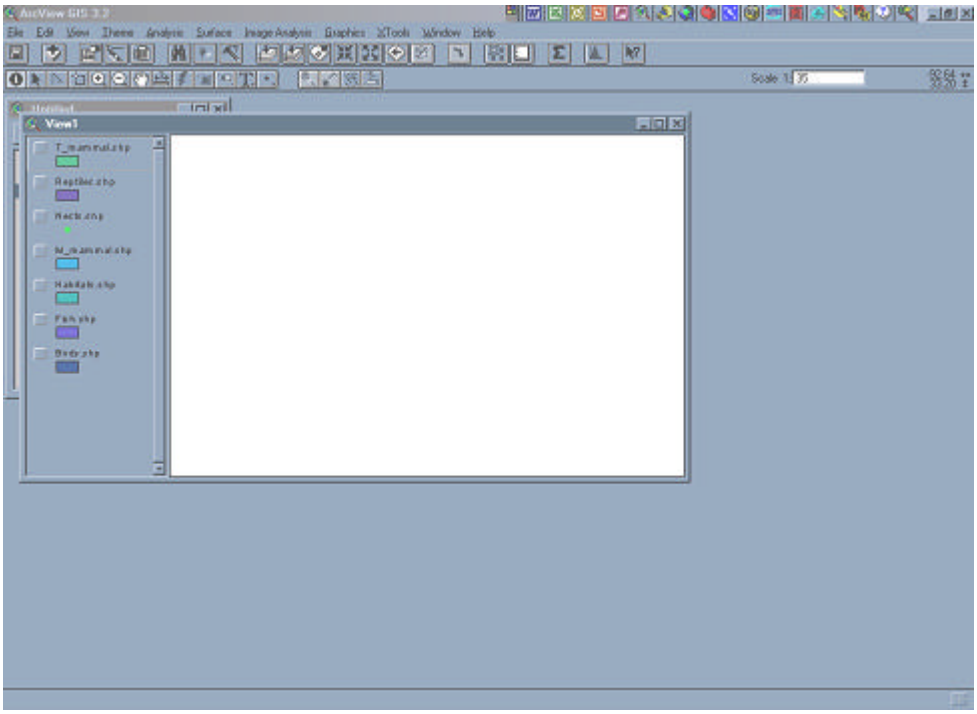
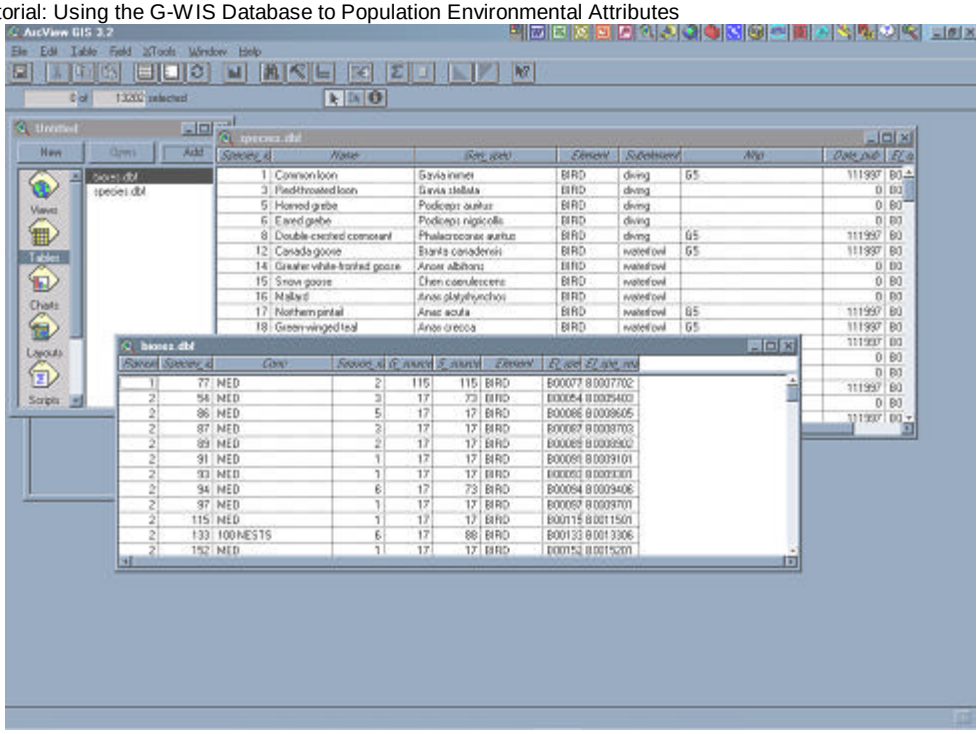
The Gulf-Wide Information System (G-WIS) CD came with various shapefiles and a database. Included was an Adobe Acrobat G-WIS Database Entity Relationship Diagram. Through the G-WIS Database Entity Relationship Diagram the series of tables needed to complete the species database was developed. Following the G-WIS Database Entity Relationship Diagram the Birds table was joined to the Biores table using the RARNUM column, in ArcView 3.2.

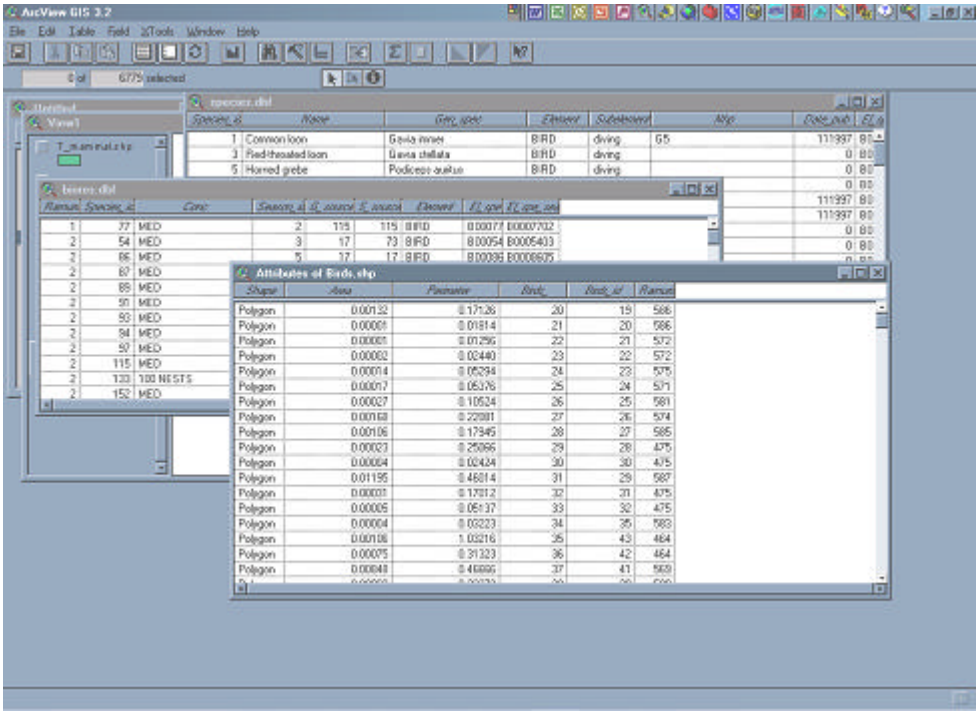
1. Add Birds, Fish, Habitats, M_Mammal, Nest, Reptiles and T_Mammals shapefiles to View.



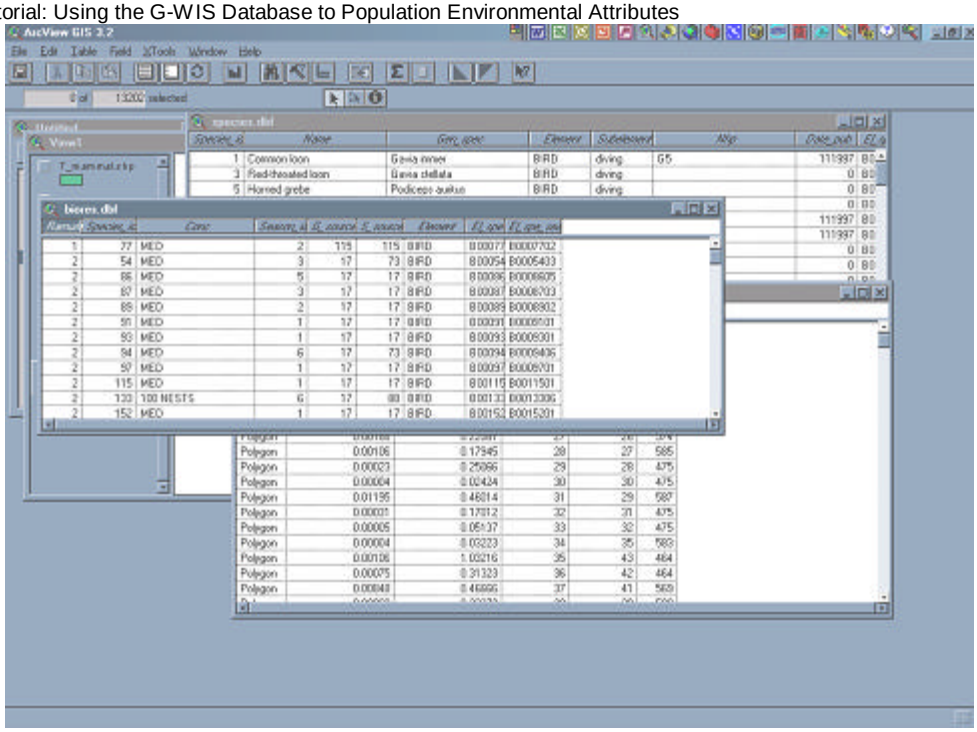
2. Add Biores and Species tables to project.



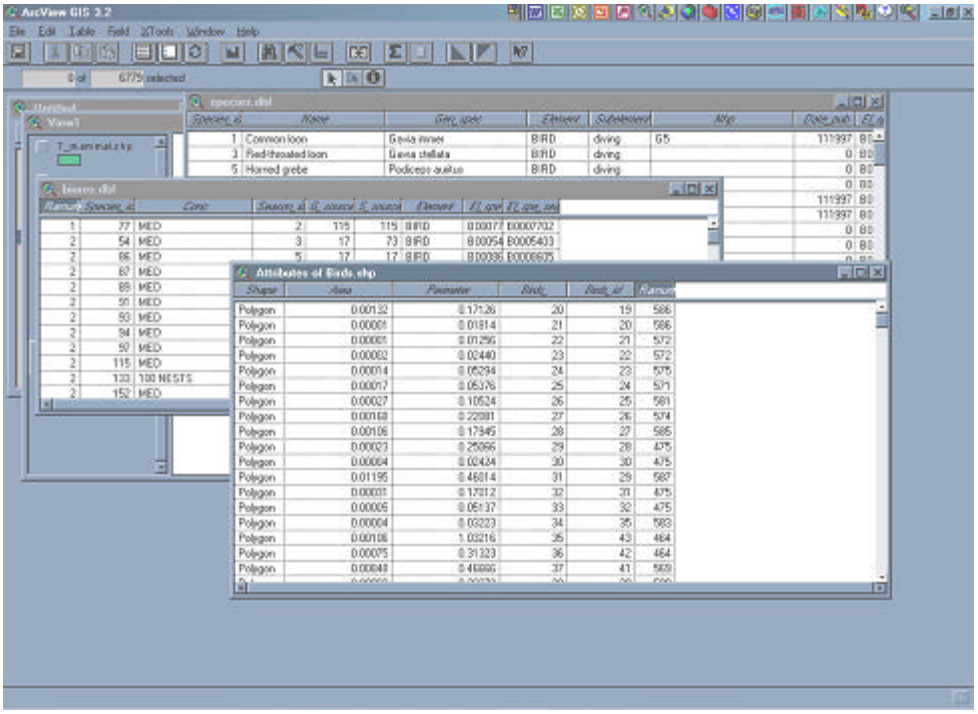
3. Open Birds attribute table.



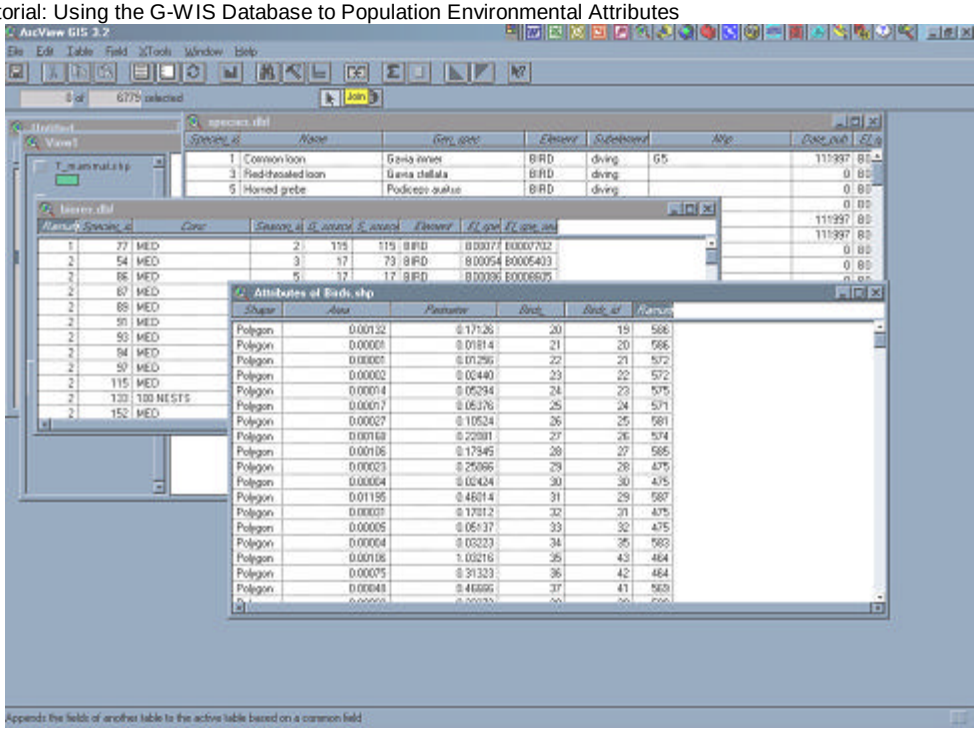
1. First click on the RARNUM column in the Biores table.



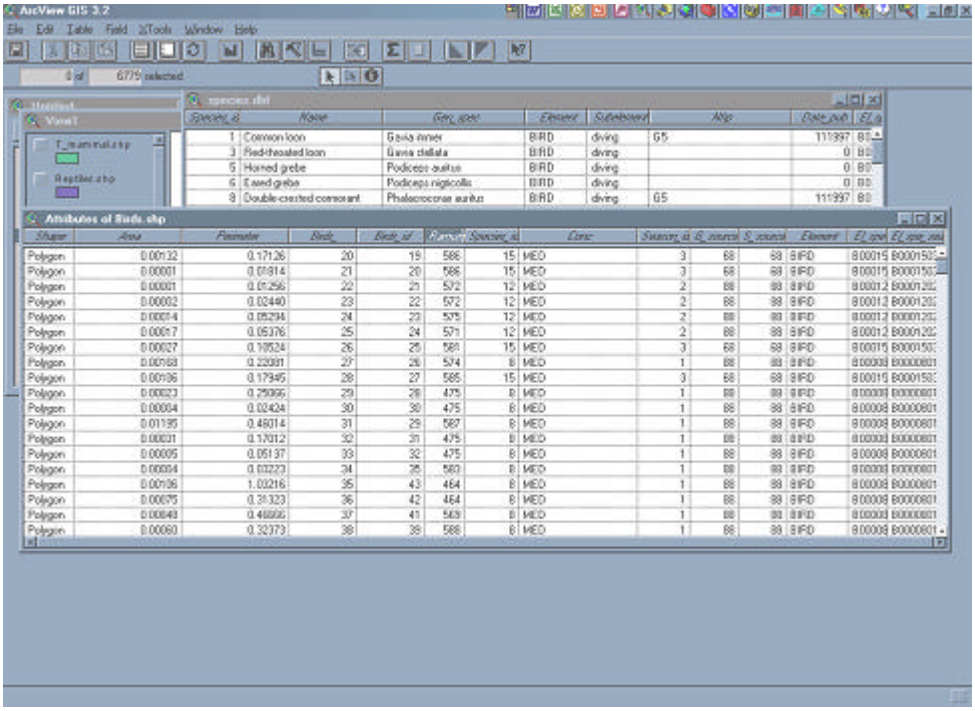
2. Click on the RARNUM column in the Birds table.



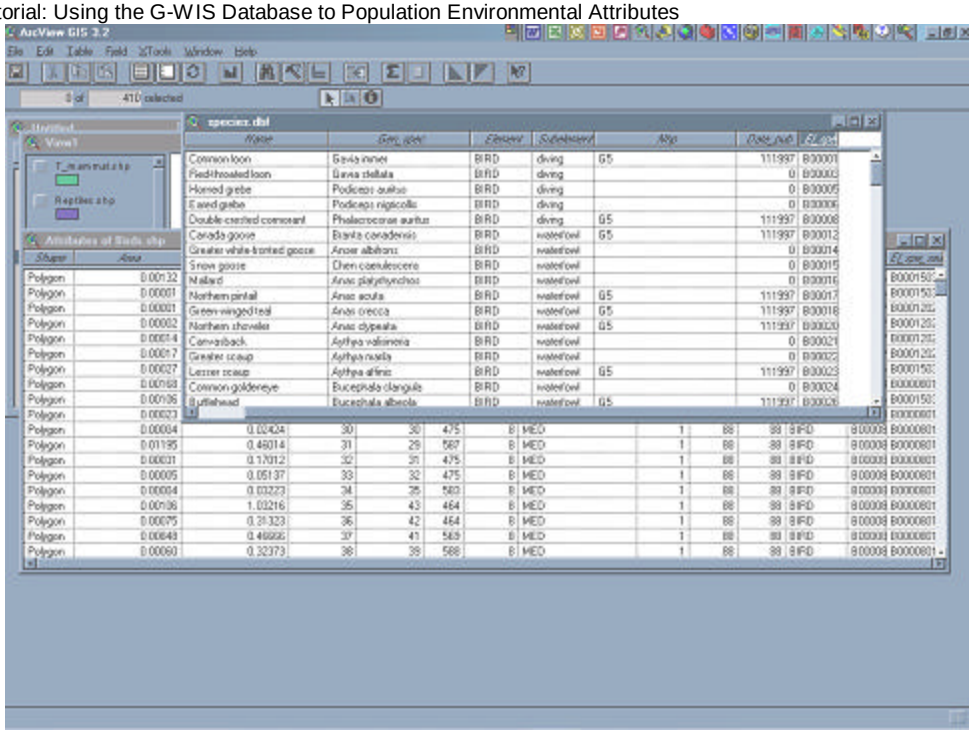
3. Click the join button.



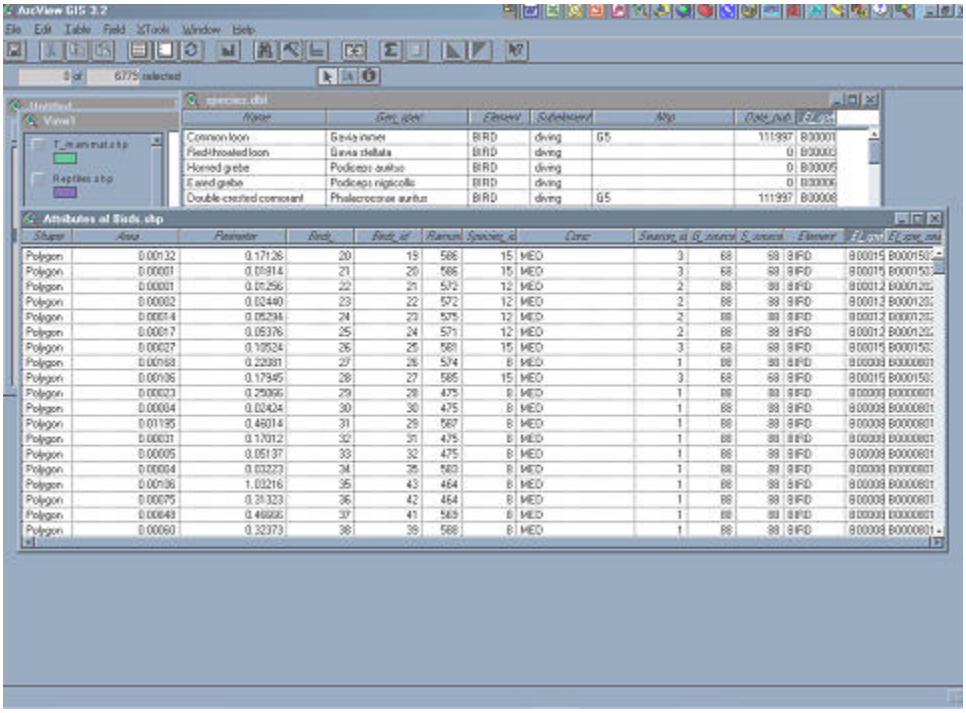
4. The new table should look like this.



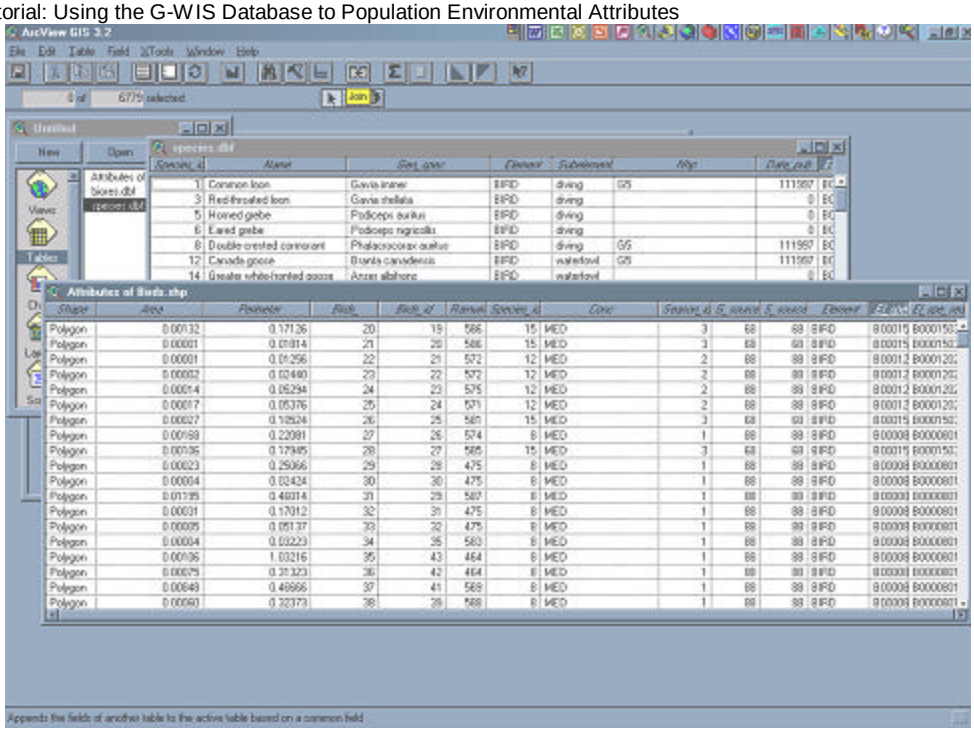
5. Click on the EL_SPE column in the Species table.



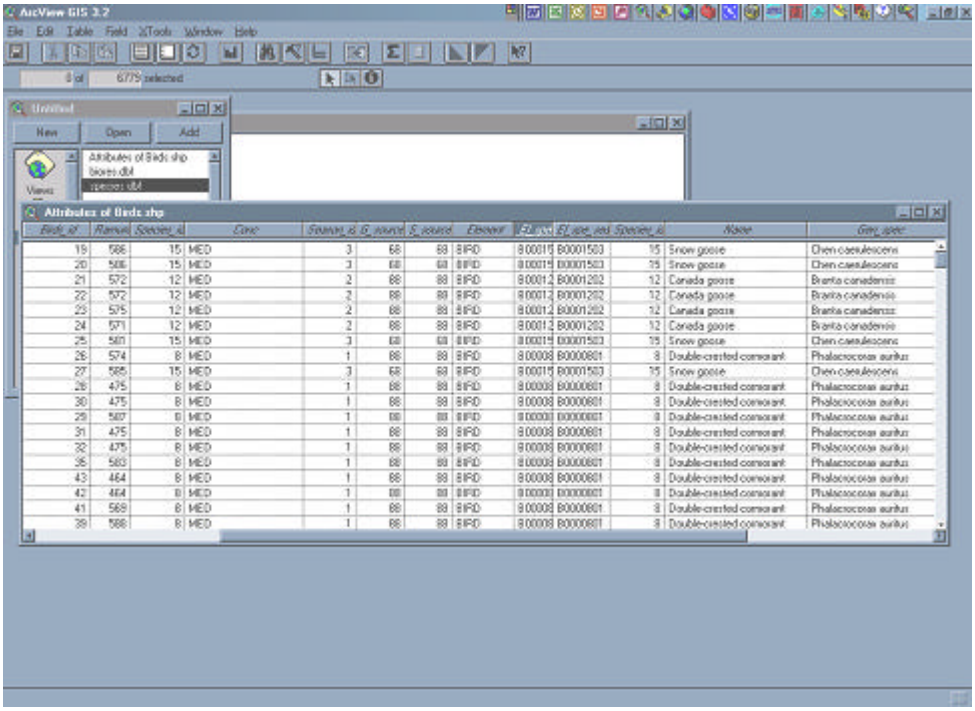
6. Click on the EL_SPE column in the joined Birds table.



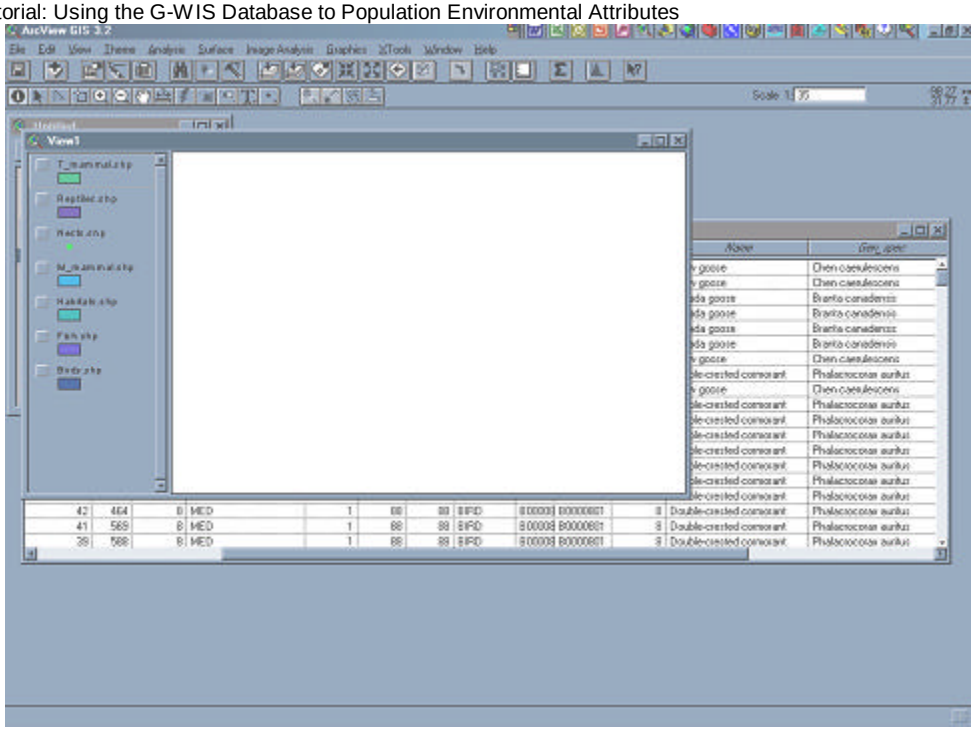
7. Click the Join button.



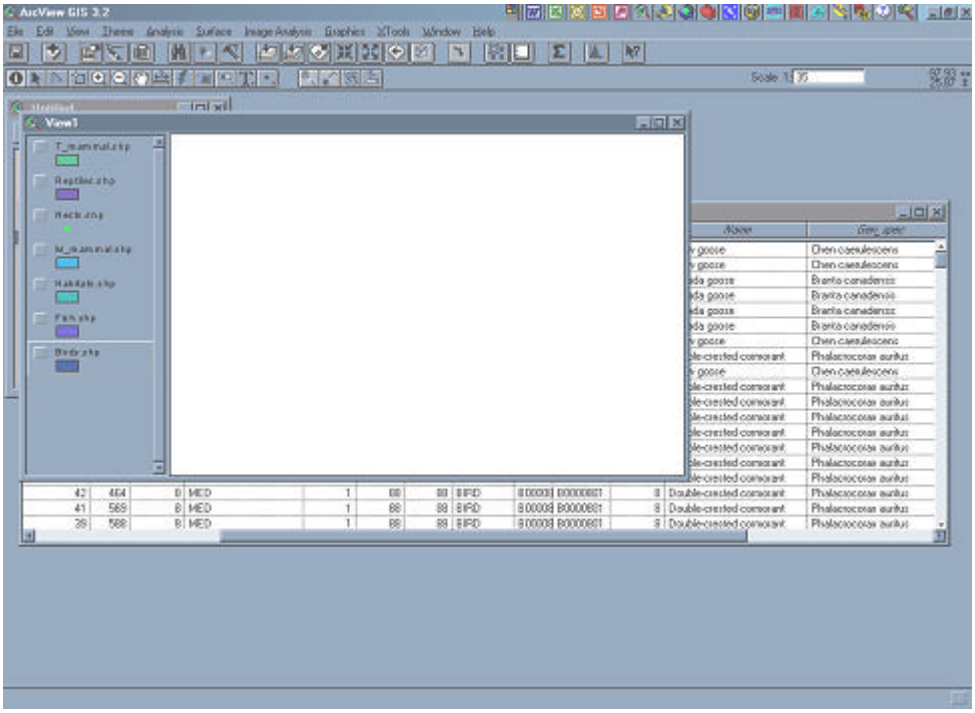
8. The new table should look like this.



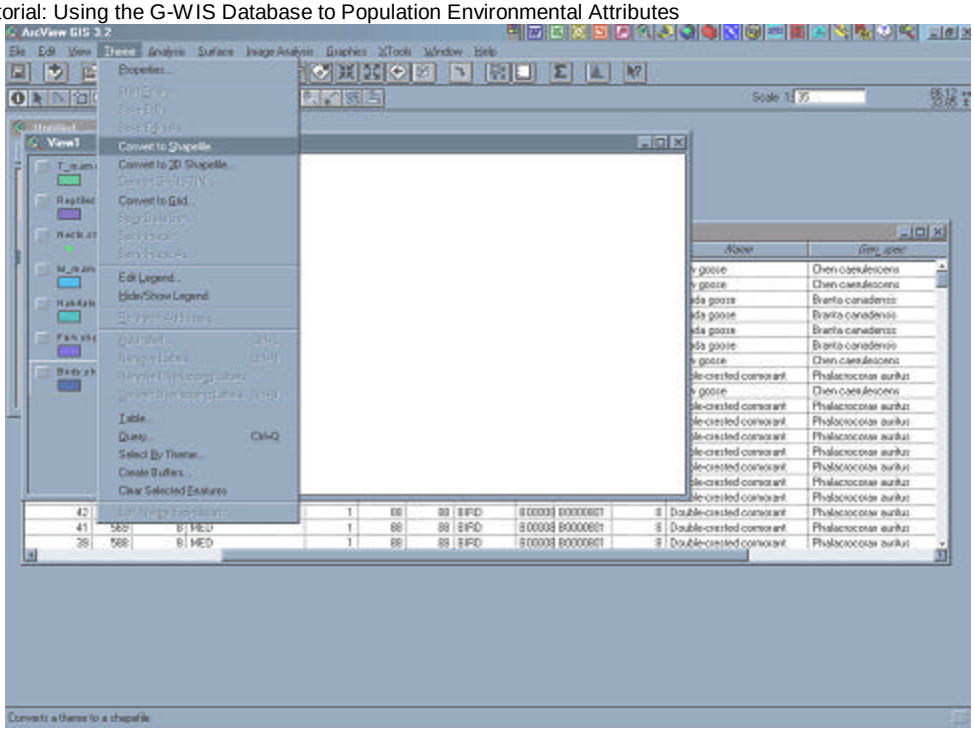
9. Make the View active.



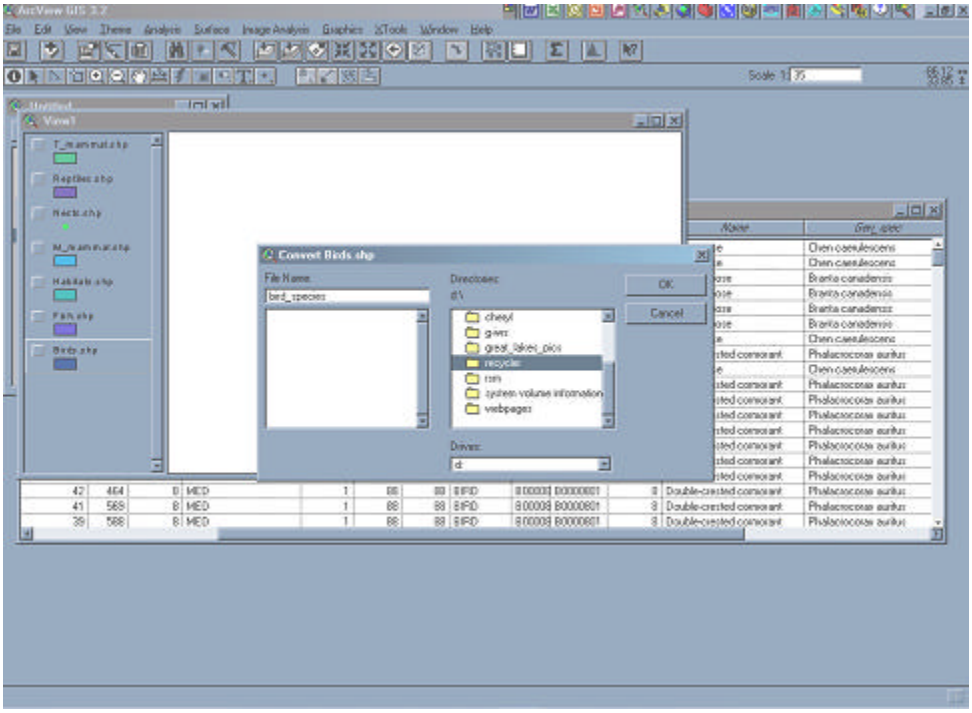
10. Click on Birds Theme to make the theme active.



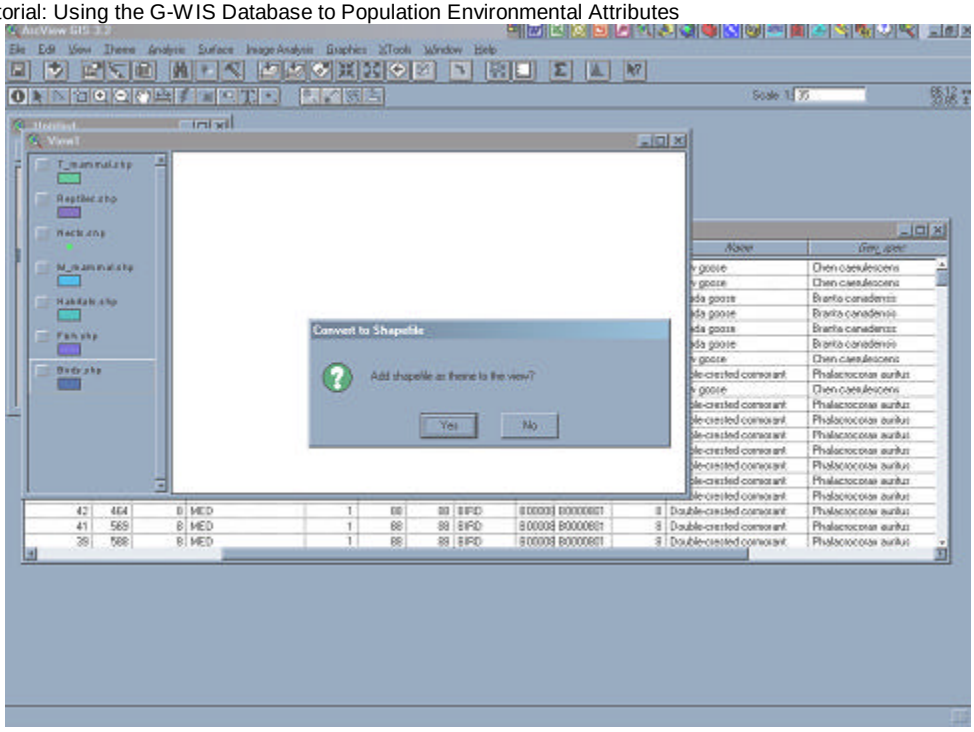
11. Click on Theme – Convert to Shapefile.



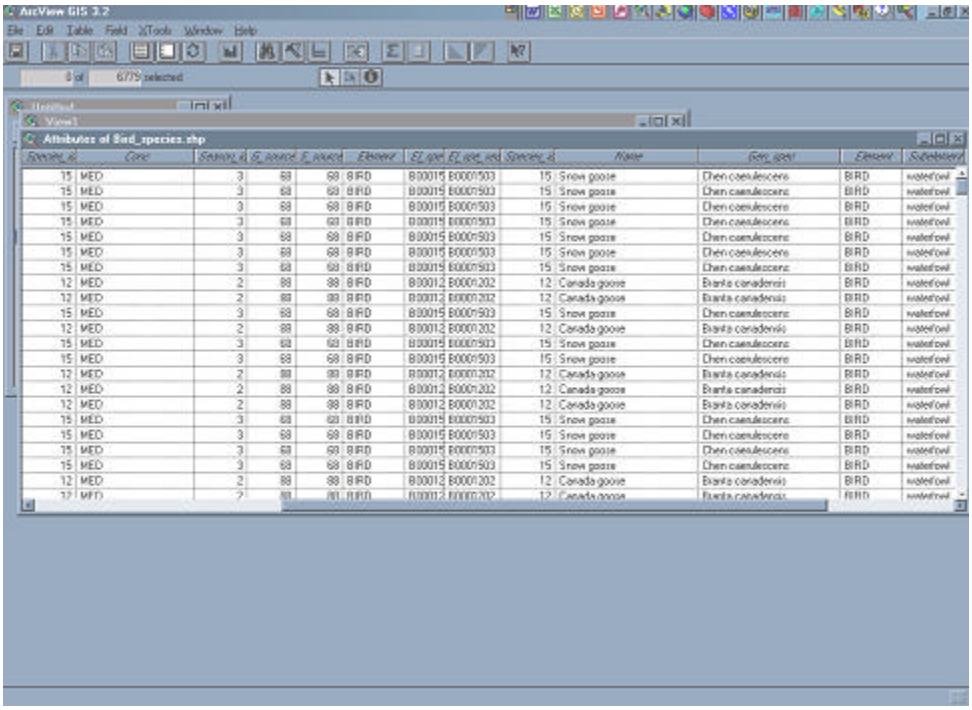
12. Change the name and save in desired location.



13. Add the new theme to the view.



14. Look at the attribute table to see that the species of birds has now been added to the table.



15. Repeat steps 1 through 10 to add species identifier to Fish, Habitats, M_Mammals (Marine Mammals), Nest, Reptiles and T-Mammals (Terrestrial Mammals).
    - ✍✍Delete any columns that are not needed.